

U. S. Department of Agriculture  
Bureau of Agricultural Economics  
and  
U. S. Department of Commerce  
Weather Bureau

Nebr. Dept. of Agr. & Inspection  
Division of Agr'l Statistics  
and  
Agricultural Extension Service  
of Nebr. College of Agr.

### NEBRASKA WEEKLY WEATHER AND CROP REPORT

Release 8/12/47 P.M.

Week Ending 8/11/47

WEATHER Hot, dry weather, with temperatures generally near or over 100° during the afternoons occurred during the week. Several days were also rather windy. There was no precipitation except a few light showers in the extreme west at the close of the week.

CROPS Corn has been damaged by the high temperatures and lack of moisture. Late corn has been damaged much worse than earlier corn. At least 10 percent of the late planting had very little chance to produce corn. It has little, if any, chance now since the heat wave. In general, corn has withstood the heat much better than usual, which is accounted for by the favorable reserve of subsoil moisture; however, that supply is rapidly being used and deterioration will be more rapid from now on unless relieved by lower temperatures and rain. With rain and low temperatures, there is still a chance for a fair crop in Nebraska, as the damage to date has not been as severe as one would expect. There is some fear that pollen may have been injured by the high temperatures and may result in poor fertilization. Also, the high temperatures tend to force the tassels out earlier than otherwise.

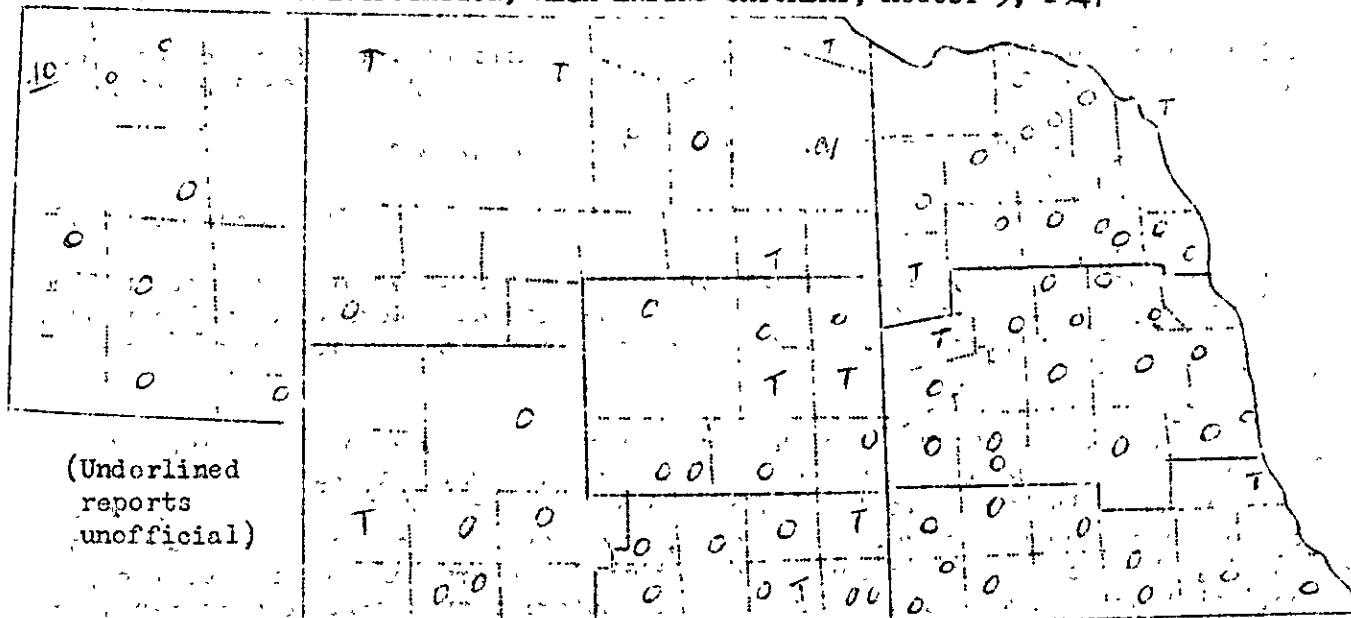
The August 1 estimate of the corn crop did not take into account the damage to the crop since August 1. There was a little damage from the high temperatures prior to August 1, but such damage was not material by August 1. A Special Outlook Report on corn as of August 15th will be published August 21st. Opinion on the amount of damage since August 1 varies considerably. This damage is mostly in the form of white caps, stunted growth of the late corn, firing of some lower leaves and delayed emergence of the silks.

1500-8-12-47  
The small grain harvest is practically completed throughout the State. So far, returns on yields indicate very little change from the more recent expectations. There was some damage from black stem rust in Box Butte county and there are some reports on light test weight. The oats and barley outlook from the start was anything but optimistic, but the yields are a little better than anticipated. The condition of all sorghum, alfalfa, wild hay and pasture declined during the past week because of the extreme heat and drought. The harvest of wild hay in the sandhills was well advanced and the yields have been very good. The second crop of alfalfa was very good, but the third crop is being checked by the high temperatures and dry weather. Corn showed a considerable drop in condition during the past week. Web worm is present in alfalfa in some localities.

High temperatures are interfering with the harvesting of the early crop of potatoes. Yields of the early commercial potato crop are very good due to the favorable weather the first three weeks of July. The farm potato crop is also good. The dry, hard soil was making it very difficult to plow for fall wheat.

With few exceptions, the feed grain supply is ample. Hay and forage are generally ample. A considerable number of counties are reporting range and pasture short. It was reported ample up until last week. The surface moisture supply is reported short, practically over the entire State, and about one-third of the counties are reporting a short supply of subsoil moisture.

PRECIPITATION, WEEK ENDING SATURDAY, AUGUST 9, 1947



HIGHEST AND LOWEST TEMPERATURES (For 24 hrs. ending 6:30 a.m.)

August

		5th		6th		7th		8th		9th		10th		11th	
		Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min
NW	Chadron	105	64	90	63	95	70	101	74	102	62	105	64	105	68
	Scottsbluff	101	64	90	60	96	64	98	66	99	64	101	64	101	58
	Sidney	101	65	90	53	99	59	93	64	102	59	102	65	102	59
N-C	Burwell	97	70	91	58	95	60	96	65	97	66	100	65	99	..
	Valentine	105	70	88	56	93	67	95	73	101	73	108	74	102	..
NE	Norfolk	102	80	98	66	94	63	95	69	101	74	107	76	107	74
	Sioux City	102	76	100	68	93	62	97	64	96	71	101	75	99	73
Cen.	Grand Island	102	78	99	65	95	65	95	71	101	72	105	72	104	76
E-C	Lincoln	102	80	102	76	96	66	95	73	98	76	106	78	105	75
	Omaha	102	76	102	76	93	69	96	69	96	74	101	77	100	76
SW	Hayes Center	102	70	93	65	94	63	98	65	105	66	101	71	100	69

WEATHER BUREAU TELEGRAPHIC REPORT OF PRECIPITATION FOR WEEK ENDING AUGUST 11, 1947.

Eastern Division		Eastern Div., Cont'd.		Central Division		Western Division	
Albion	0	Hastings	0	Broken Bow	0	Alliance	0
Auburn	0	Lincoln	T	Burwell	0	Chadron	.31
Beatrice	0	Norfolk	0	Cambridge	0	Culbertson	0
Columbus	0	Oakdale	0	Holdrege	0	Hayes Center	0
Fairbury	0	Omaha	0	North Loup	0	Kimball	.32
Faimont	0	Red Cloud	0	North Platte	0	Merriman	0
Falls City	0	St. Paul	0	O'Neill	.01	Scottsbluff	.32
Fremont	0	Tekamah	0	Ravenna	0	Sidney	0
Grand Island	0	Wakefield	0	Valentine	0		
Hartington	0	York	0				
Average this week			T		T		0.12
Total since April 1			17.76		13.98		13.52
Normal since April 1			15.77		13.59		11.05